

QUICK RELEASE RATCHETING APPARATUS FOR A WEIGHT LIFT BAR SYSTEM

Abstract of the Disclosure

A quick-release ratcheting mechanism for a weight lifting bar system. The present invention utilizes a ratcheting device in conjunction with ratchet teeth which are located on the inside surface of an aperture of individual weight components. As such, when the individual weight components are placed onto the present invention, the present invention ratcheting system engages the weight component teeth, subsequently creating a fixed and secure engagement. If the user desires to remove the individual weight component, a quick-release handle disengages the ratchet mechanism and allows free removal of an individual weight component. As a further feature the present invention, the preferred embodiment incorporates a unique passive interlocking means between each adjacently placed individual weight component and a unique geometric configuration which enhances the stability of the present invention.

Figures

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